



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/500,365	06/28/2004	Carlo Gemme	22106-00065-US1	7550

30678 7590 03/27/2007
CONNOLLY BOVE LODGE & HUTZ LLP
P.O. BOX 2207
WILMINGTON, DE 19899-2207

EXAMINER

BARRERA, RAMON M

ART UNIT	PAPER NUMBER
----------	--------------

2832

MAIL DATE	DELIVERY MODE
-----------	---------------

03/27/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Myron Wyche on 3/19/07.

The application has been amended as follows:

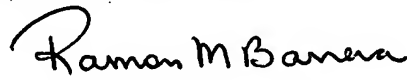
Amendments to the Brief Description of the Drawings and the Detailed Disclosure are attached.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramon M. Barrera whose telephone number is (571) 272-1987. The examiner can normally be reached on Monday through Friday from 11 to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2832

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Ramon M Barrera
Primary Examiner
Art Unit 2832

rm̄b

Application No.: 10/500,365

Docket No.: 22106-00065-US1

AMENDMENTS TO THE SPECIFICATION

Please amend the specification by inserting the following on page 2, after line 9 indicated below:

BRIEF DESCRIPTION OF DRAWINGS

FIG. 1 shows an example of a background art set-up of primary distribution switchgear for voltage and current measurement.

FIG. 2 shows another example of a background art set-up for voltage and current measure.

FIG. 3 is a functional block diagram of an exemplary embodiment of a circuit breaker.

FIG. 4 is an alternate embodiment of the invention where the current measuring device is in the form of a Rogowsky coil.

FIG. 5 is yet another alternative embodiment of the device where the current measuring device is in the form of an array of Hall current sensors 22.

Please amend the specification at page 4, lines 16-20 as indicated below:

To enable the functional integration of the measure devices on-board the switch, the Rogowsky coil 21 solution is preferred, as it enables to realize a smaller current sensor when compared to a traditional iron core instrument transformer. In alternative other current sensing techniques can be used, as the realization of an array of Hall current sensors 22.

Please amend the specification by inserting the following paragraph on page 4, after line 20:

FIG. 4 is an alternate embodiment of the invention where the current measuring device is in the form of a Rogowsky coil. 21. **FIG. 5** is yet another alternative embodiment of the device where the current measuring device is in the form of an array of Hall current sensors 22.

1990 M Street, N.W. #800
Washington, D.C. 20036-3425
phone: 202-331-7111
fax: 202-293-6229
fax: 202-223-2596

CONNOLLY BOVE LODGE & HUTZ, LLP

Fax

To: EXAMINER BARRERA From: MYRON WYCKE
Fax: 571-273-1987 Pages: 24 (including cover sheet)
Phone: 571-272-1987 Date: 3-16-07
Re: INPUTS FOR EX. AMENDCC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

o Comments:

Good day Examiner Barrera,
Thanks again for you call this morning on application # 10/500,365.
You will find attached (1) inputs for an amendment to the application in terms of the page/line number of the original specification, and (2) additional section containing a "BRIEF DESCRIPTION OF DRAWINGS." If you have any questions please feel free to contact me.
Take care and have a great day!

Myron Wyck

Application No.: 10/500,365

Docket No.: 22106-00065-US1

Docket No.: 22106-00065-US1
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:
Alessandro Colombo et al.

Application No.: 10/500,365

Art Unit: 2832

Filed: June 28, 2004

Examiner: R. M. Barrera

For: **CIRCUIT BREAKERS WITH INTEGRATED
CURRENT AND/OR VOLTAGE**

INPUTS FOR AN EXAMINER'S AMENDMENT**MS Amendment**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action mailed February 23, 2006, please amend the application as indicated below:

Amendments to the Specification begin on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.

Application No.: 10/500,365

Docket No.: 22106-00065-US1

AMENDMENTS TO THE SPECIFICATION

Please amend the specification by inserting the following on page 2, after line 9 indicated below:

BRIEF DESCRIPTION OF DRAWINGS

FIG. 1 shows an example of a background art set-up of primary distribution switchgear for voltage and current measurement.

FIG. 2 shows another example of a background art set-up for voltage and current measure.

FIG. 3 is a functional block diagram of an exemplary embodiment of a circuit breaker.

FIG. 4 is an alternate embodiment of the invention where the current measuring device is in the form of a Rogowsky coil.

FIG. 5 is yet another alternative embodiment of the device where the current measuring device is in the form of an array of Hall current sensors 22.

Please amend the specification at page 4, lines 16-20 as indicated below:

To enable the functional integration of the measure devices on-board the switch, the Rogowsky coil 21 solution is preferred, as it enables to realize a smaller current sensor when compared to a traditional iron core instrument transformer. In alternative other current sensing techniques can be used, as the realization of an array of Hall current sensors 22.

Please amend the specification by inserting the following paragraph on page 4, after line 20:

FIG. 4 is an alternate embodiment of the invention where the current measuring device is in the form of a Rogowsky coil. 21. FIG. 5 is yet another alternative embodiment of the device where the current measuring device is in the form of an array of Hall current sensors 22.

Application No.: 10/500,365

Docket No.: 22106-00065-US1

REMARKS

First, Applicants would like to thank Examiner Barrera for contacting Applicant's representative regarding possible amendments to the application that could put it in condition for allowance. To that end, the enclosed amendments to the specification are suggested and the Examiner is given permission to make these changes via Examiner's Amendment.

Conclusions

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 22-0185, under Order No. 22106-00065-US1 from which the undersigned is authorized to draw.

Dated: March 16, 2007

Respectfully submitted,

By Myron Keith Wyche
Myron Keith Wyche

Registration No.: 47,341
CONNOLLY BOVE LODGE & HUTZ LLP
1990 M Street, N.W., Suite 800
Washington, DC 20036-3425
(202) 331-7111
(202) 293-6229 (Fax)
Agent for Applicant

3
x